

STIC Database Tracking Number: 257124

To: AKASH SAXENA
Location: RND-5C31
Art Unit: 2128
Friday, April 11, 2008

Case Serial Number: 10/782092

From: WASSEEM HAMDAN
Location: EIC2100
RND-4B28 / RND-4B11
Phone: (571)272-5728

wasseem.hamdan@uspto.gov

Search Notes

Attached are edited search results from the patent and non-patent databases.

The tagged items are some of the results worth review.

I recommend that you browse all the results.

If you would like more searching on this case, or if you have questions or comments, please let me know.

Respectfully,

Wasseem Hamdan

[File 60] ANTE: Abstracts in New Tech & Engineer 1966-2008/Mar
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| Set | Items | Description |
|-----|----------|--|
| S1 | 18305545 | S ((VIRTUAL(1N)MACHINE? ? OR COMPUTER? ? OR SYSTEM? ?) OR VM? ? OR VMM? ?) |
| S2 | 884644 | S S1(5N)(TIME?? OR TIMING OR CLOCK? ? OR PERIOD OR CYCLE? ? OR DURATION? ?) |
| S3 | 329 | S S2(30N)(CATCH?)(UP OR CATCHUP OR MAKEUP OR MAKE(UP OR MAKING(UP |
| S4 | 47 | S ((FALL? ? OR LAG? ? OR LAGGING OR DELAY? OR LATENC? OR LATENT? OR LAPSE? OR LAPSING?)(2N)BEHIND)(5N)(REALTIME OR REAL()TIME OR UP(3W)MINUTE OR INSTANT OR (REAL OR ACTUAL()TIME OR DYNAMIC |
| S5 | 34733 | S ((TRACK? OR FOLLOW? OR LOCAT? OR PURSUIT? OR LOGG? OR REGISTER? OR NOTAT?)(3N)(REALTIME OR REAL()TIME OR UP(3W)MINUTE OR INSTANT OR (REAL OR ACTUAL()TIME OR DYNAMIC) |
| S6 | 9 | S S4 AND S5 |
| S7 | 3 | RD (unique items) |
| S8 | 7 | S S3 AND S5 |
| S9 | 4 | RD (unique items) |
| S10 | 28 | S S4 AND S1 |
| S11 | 15 | RD (unique items) |
| S12 | 11 | S S11 AND PY=1963:2004 |

?

Subject summary

? 1/3.k/all

12/3.K/1 (Item 1 from file: 35) [Links](#)

Dissertation Abs Online

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01630632 ORDER NO: AAD98-24391

THE RELATIONSHIP BETWEEN MICROCOMPUTER PLAYFULNESS AND END-USER INTENTION TO ADOPT INFORMATION TECHNOLOGY

Author: ALLEN, JEFFREY WILLIAM

Degree: PH.D.

Year: 1998

Corporate Source/Institution: GEORGIA STATE UNIVERSITY (0079)

Source: Volume 5902A of Dissertations Abstracts International.

PAGE 546 . 184 PAGES

Year: 1998

...3) To examine the relationship of attitude toward adopting an IT and the antecedent variables (computer anxiety, perceived voluntariness) and their effect on intent to adopt and (4) To determine the relationship of microcomputer playfulness to computer anxiety and perceived voluntariness.

We recognize that many factors--individual and organizational--affect and determine....organizations they work within on the "leading" edge of technology use while others tend to lag behind? Is microcomputer playfulness a dynamic or static phenomenon and does the state of the measurement item effect the level of...

12/3.K/2 (Item 1 from file: 8) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

EI Compendex(R)

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11198944 E.I. No: EIP06341008502

Title: A transient dynamic analysis of mechanical seals including asperity contact and face deformation

Author: Green, Itzhak

Corporate Source: Georgia Institute of Technology George W. Woodruff School of Mechanical Engineering, Atlanta, GA 30332-0405, United States

Source: Tribology Transactions v 45 n 3 July 2002. p 284-293

Publication Year: 2002

CODEN: TRTRE4 ISSN: 1040-2004

Language: English

Abstract: ...viscous heating model shows that the time-dependent deformation (coning) is hereditary and that it lags behind the instantaneous heat generation. The dynamic analysis provides a numerical solution for the seal motion in axial and angular modes. The...

Descriptors: *Seals; Deformation; Viscosity; Friction; Centrifugal casting; Radial flow; Rotors; Computer simulation; Heating; Elastoplasticity; Hydrostatic pressure



12/3.K/3 (Item 2 from file: 8) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

EI Compendex(R)

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08675159 E.I. No: EIP00105359402

Title: Virtual time scheduling in HFC networks with support for priority implementation

Author: Kamal, A.E.; Boujarwah, A.; Al-Dallal, J.

Corporate Source: Kuwait Univ, Safat, Kuwait

Source: Computer Communications v 23 n 16 Sep 2000. p 1514-1523

Publication Year: 2000

CODEN: COCOD7 ISSN: 0140-3664

Language: English

Abstract: ...interval is determined using one of two clock increments, depending on whether the virtual time lags behind the actual time or not. The virtual time is based on a mapping involving the unused contention minislots, and the frame length. It is shown through simulation that virtual time scheduling enhances the system performance and results in a close to FCFS strategy. In addition, through the differential handling...

Descriptors: *Fiber optic networks; Telecommunication traffic; Congestion control (communication); Computer simulation; Virtual reality; Standards

12/3.K/4 (Item 3 from file: 8) [Links](#)

EI Compendex(R)

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04142701 E.I. Monthly No: EI8209079726 E.I. Yearly No: EI82058486

Title: METHOD FOR THE ANALYSIS OF MACHINE TOOL CHATTER.

Author: Nigm, M.M.

Corporate Source: Ain Shams Univ, Cairo, Egypt

Source: International Journal of Machine Tool Design & Research v 21 n 3-4 1981 p 251-261

Publication Year: 1981

CODEN: IJTDAJ ISSN: 0020-7357

Language: ENGLISH

Abstract: The method presented in this paper constitutes a unified system approach for the analysis of machine tool chatter. The method is valid for the whole... Its simple and noniterative computational procedure can be most efficiently carried out by a digital computer. The method gives a deeper understanding of the contribution of the main mechanisms and parameters... can occur in a single-degree-of-freedom machine tool (without mode coupling) if the dynamic cutting force lags behind the chip thickness modulation. 10 refs.

Descriptors: ...Vibrations; SYSTEM STABILITY...

12/3,K/5 (Item 1 from file: 2) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

INSPEC

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08150345 INSPEC Abstract Number: A2002-04-8140L-060

Title: Compressive superelastic behavior of a NiTi shape memory alloy at strain rates of 0.001-750 s/sup -1/

Author Chen, W.W.; Qiuping Wu; Kang, J.H.; Winfree, N.A.

Author Affiliation: Dept. of Aerosp. & Mech. Eng., Arizona Univ., Tucson, AZ, USA

Journal: International Journal of Solids and Structures vol.38, no.50-51 p. 8989-98

Publisher: Elsevier

Publication Date: Dec. 2001 Country of Publication: UK

CODEN: IJSOAH ISSN: 0020-7683

SICI: 0020-7683(200112)38:50:51L-8989-CSBN;1-W

Material Identity Number: I113-2001-028

U.S. Copyright Clearance Center Code: 0020-7683/01/\$20.00

Language: English

Subfile: A

Copyright 2002, IEE

Abstract: ...7.5*10/sup 2/ s/sup -1/. A hydraulically driven load frame (Material test system, MTS 810) was used to conduct the quasi-static experiments. A split Hopkinson pressure bar... there is initially a residual deformation upon unloading, but the material slowly recovers its length. Dynamic strain lags behind the associated dynamic stress in the SMA specimen.

Identifiers: ...material test system;

2001

12/3,K/6 (Item 2 from file: 2) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

INSPEC

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06439554 INSPEC Abstract Number: C9701-6150E-001

Title: Automating Web-site maintenance. 1

Author Helmski, P.

Journal: WEB Techniques vol.1, no.8 p. 42-4, 46-7

Publisher: Miller Freeman

Publication Date: Nov. 1996 Country of Publication: USA

ISSN: 1086-556X

SICI: 1086-556X(199611)1:8L:42:ASM;1-H

Material Identity Number: F184-96002

Language: English

Subfile: C

Copyright 1996, IEE

Abstract: ...pay for the increasing amount of Webmaster hours a dynamic site requires. As a result, dynamic sites fall behind, lose budgets, and eventually shut down. The answer to this conundrum is automation. Site automation...

Descriptors: ...complete computer programs...

1996

12/3,K/7 (Item 3 from file: 2) [Links](#)

INSPEC

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05555027 INSPEC Abstract Number: A9405-0270-001, C9403-7320-021

Title: Real-time simulation of dynamic systems using a variable integration step size

Author Howe, R.M.

Author Affiliation: Applied Dynamics Int., Ann Arbor, MI, USA

Conference Title: Simulators X. Proceedings of the 1993 Simulation Multiconference on the International Simulators Conference p. 452-8

Editor(s): Sharon, A.

Publisher: SCS, San Diego, CA, USA

Publication Date: 1993 Country of Publication: USA xiv+698 pp.

Conference Sponsor: SCS

Conference Date: 29 March-1 April 1993 Conference Location: Arlington, VA, USA

Language: English

Subfile: A C

Title: Real-time simulation of dynamic systems using a variable integration step size

Abstract: ...execution time of the previous step. This ensures that the simulation will in general never fall behind real time by more than a fraction of the step size. It also permits the step size...

Descriptors: ...real-time systems

1993

12/3 K/8 (Item 1 from file: 6) [Links](#)

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NTIS

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1430783 NTIS Accession Number: AD-A204 538/3

Dynamic Constitutive/Failure Models

(Final rept. for 10-11 May 8)

Rajendran, A. M. ; Nicholas, T. N.

Dayton Univ., OH. Research Inst.

Corporate Source Codes: 007431003; 105400

Sponsor: Air Force Wright Aeronautical Labs., Wright-Patterson AFB, OH.

Report Number: UDR-TR-88-110; AFWAL-TR-88-4229; ARO-26136.1-EG-CF

Dec 88 501p

Language: English

Journal Announcement: GRAI8912

Order this product from NTIS by phone at 1-800-553-NTIS (U.S. customers); (703)605-6000 (other countries); fax at (703)321-8547; and email at orders@ntis.fedworld.gov. NTIS is located at 5285 Port Royal Road, Springfield, VA, 22161, USA.

NTIS Prices: PC A22/MF A01

Many important impact engineering applications rely on numerical simulations using finite element/difference computer codes for analysis. Several unique codes have been developed in recent years incorporating novel concepts such as slide line logics, erosion, rezoning, dezoneing, etc. The modeling of material behavior in computer codes, while achieving improved sophistication in recent years, still lags behind our present knowledge of dynamic behavior and failure. Accurate descriptions of the dynamic inelastic behavior of materials for metals, ceramics, and composites in computer codes must include the effects of strain rate, loading history, high pressure, high temperature, large... ..solutions to critical issues in modeling material behavior under high loading rates for use in computer codes. The report will bring together a critical mass of active presenters involved in various... ..require interactions between experimentalists, material scientists, applied mechanicians and model builders, and developers of advanced computer codes. Keywords: Impact; Spall, Concrete, Plastic flow, Brittle. (jes/aw)

Descriptors: Accuracy; Ceramic materials; Computer programs; Concrete; Damage; Deformation; Dynamic response; Elastic properties; Erosion; Failure; High pressure; High rate; High...

Identifiers: *Failure analysis; Mathematical models; Computer applications; NTISDODX4; NTISDODAF

12/3 K/9 (Item 1 from file: 34) [Links](#)

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SciSearch(R) Cited Ref Sci

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02343659 Genuine Article#: KV288 No. References: 2

TRENDS IN COMPUTER HARDWARE AND SOFTWARE

Author: FRANKENFELD FM

Corporate Source: SUNQUEST INFORMAT SYST INC, DEPT NEW PROD, 4801 EBROADWAY

BLVD/TUCSON/AZ/85711

Journal: AMERICAN JOURNAL OF HOSPITAL PHARMACY, 1993, V 50, N4 (APR), P 707-711

ISSN: 0002-9289

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

TRENDS IN COMPUTER HARDWARE AND SOFTWARE

, 1993

Abstract: Previously identified and current trends in the development of computer systems and in the use of computers for health care applications are reviewed.

Trends identified in a 1982 article were increasing miniaturization... ..archival ability, increasing software costs, increasing software independence, user empowerment through new software technologies, shorter computer-system life cycles, and more rapid development and support of pharmaceutical services. Most of these trends... ..software include the increasing use of reduced instruction-set computing, migration to the UNIX operating system, the development of large software libraries, microprocessor-based smart terminals that allow remote validation of data, speech synthesis and recognition, application generators, fourth-generation languages, computer-aided software engineering, object-oriented technologies, and artificial intelligence. Current trends specific to pharmacy and hospitals are the withdrawal of vendors of hospital information systems from the pharmacy market, improved linkage of information systems within hospitals, and increased regulation by government.

The computer industry and its products continue to undergo dynamic change. Software development continues to lag behind hardware, and its high cost is offsetting the savings provided by hardware.

12/3,K/10 (Item 1 from file: 95) [Links](#)

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TEME: Technology & Management

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01604586 20020108714

Compressive superelastic behavior of a NiTi shape memory alloy at strain rates of 0.001-750 s(exp -1)

Chen, WW; Ciuping Wu; Kang, JH; Wintfree, NA

Dept. of Aerosp. & Mech. Engng., Arizona Univ., Tucson, AZ, USA

International Journal of Solids and Structures, v38, n50-51, pp8989-8998, 2001

Document type: journal article Language: English

Record type: Abstract

ISSN: 0020-7683, 2001

Abstract:

...3)-7.5x10(exp 2) s(exp -1). A hydraulically driven load frame (Material test system, MTS 810) was used to conduct the quasi-static experiments. A split Hopkinson pressure bar....there is initially a residual deformation upon unloading, but the material slowly recovers its length. Dynamic strain lags behind the associated dynamic stress in the SMA specimen.

12/3,K/11 (Item 1 from file: 99) [Links](#)

Fulltext available through: [STIC Full Text Retrieval Options](#)

Wilson Appl. Sci & Tech Abs

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1186671 H.W. Wilson Record Number: BAST94055304

The multirate method for simulation of power system dynamics

Crow, M. L.; Chen, James G

IEEE Transactions on Power Systems v. 9 (Aug. '94) p. 1684-90

Document Type: Feature Article ISSN: 0885-8950

The multirate method for simulation of power system dynamics

Abstract: The behavior of power systems with widely varying time constants is analyzed using the multirate method. This work was motivated by the fact that the tools developed for computational dynamic analysis of power systems lag far behind the tools that have been developed for steady-state and transient stability analysis.

The multirate method is first applied to a generalized linear system. A formula is developed to estimate the speed-up that is possible given any number....the separation between them. The multirate method is then extended to a small nonlinear power system example. When compared to traditional simulation methods, this method is shown to have great potential as an efficient method of simulating the dynamics of power systems.

Descriptors: Power system simulation....Time invariant systems

1994

?

? t/3,k/all

9/3,K/1 (Item 1 from file: 56) [Links](#)

Computer and Information Systems Abstracts

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0000287746 IP Accession No: 0258128

Real-time visual recognition of facial gestures for human-computer interaction

Zelinsky, Alexander; Heinzmann, Jochen Australian Natl Univ, Canberra, Aust

Pages: 351-356

Publication Date: 1996

Publisher: IEEE, LOS ALAMITOS, CA, (USA)

Conference:

The 1996 2nd International Conference on Automatic Face and Gesture Recognition, Killington, VT, USA, 14-16 Oct.

1996

Document Type: Conference Paper

Record Type: Abstract

Language: English

File Segment: Computer & Information Systems Abstracts

Abstract:

...applications. We have implemented an interface that tracks a person's facial features in real time (30Hz). Our system does not require special illumination nor facial makeup. By using multiple Kalman filters we accurately predict and robustly track facial features. This is....and rapid movements of the head (including both translational and rotational

motion). Since we reliably track the face in real-time we are also able to recognise motion gestures of the face. Our system can recognise...

9/3/K/2 (Item 1 from file: 8) [Links](#)

Ei Compendex(R)

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07629473 E.I. No: EIP97023531930

Title: Human-robot interaction using facial gesture recognition

Author: Zelinsky, Alexander; Heinzmann, Jochen

Corporate Source: Australian Natl Univ, Canberra, Aust

Conference Title: Proceedings of the 1996 5th IEEE International Workshop on Robot and Human Communication, RO-MAN

Conference Location: Tsukuba, Jpn Conference Date: 19961111-19961114

E.I. Conference No.: 46049

Source: Robot and Human Communication - Proceedings of the IEEE International Workshop 1996. IEEE, Piscataway, NJ, USA, 96TH8179. p 256-261

Publication Year: 1996

CODEN: 85QKAS

Language: English

Abstract: ...applications. We have implemented an interface that tracks a person's facial features in real time (30 Hz). Our system does not require special illumination nor facial makeup. The work is focused on real-time face tracking using dedicated hardware based on template matching. Tracking using template matching suffers from changing shade... and rapid movements of the head (including both translational and rotational motion). Since we reliably track the face in real-time we are also able to recognize motion gestures of the face. Our system can recognize...

9/3/K/3 (Item 1 from file: 2) [Links](#)

INSPEC

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05362571 INSPEC Abstract Number: C9304-6150J-010

Title: In search of the ideal operating system for user interfacing

Author Jones, W.; Williams, P.; Robertson, G.; Joloboff, V.; Conner, M.

Author Affiliation: Arthur D. Little Enterprises, Cambridge, MA, USA

Conference Title: UIST. Third Annual Symposium on User Interface Software and Technology. Proceedings of the ACM

SIGGRAPH Symposium p. 31-5

Publisher: ACM, New York, NY, USA

Publication Date: 1990 Country of Publication: USA vii+177 pp.

ISBN: 0 89791 410 4

Conference Sponsor: ACM

Conference Date: 3-5 Oct. 1990 Conference Location: Snowbird, UT, USA

Language: English

Subfile: C

Abstract: ...computing environment's lowest common denominator, the operating system must always play a game of catch-up to provide system-wide support for the changing demands and opportunities of its user environment. Never has this been more true than now. The basics of an operating system include management of processing time, memory, interprocess and inter-machine communication and persistent storage. Choices made in the provision of... interface, even when many layers interceded. This paper discusses operating system issues that impact the following user interfacing concerns: real-time performance; persistent storage; interoperability and data transfer; and transparency.

9/3/K/4 (Item 1 from file: 6) [Links](#)

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NTIS

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1267358 NTIS Accession Number: NTN86-0773

Robotic Deburring Studied

(NTIS Tech Note)

Department of the Navy, Washington, DC.

Corporate Source Codes: 001840000

Jul 86 1p

Language: English

Journal Announcement: GRAI8626

FOR ADDITIONAL INFORMATION: Contact: Harry McCain, Building 220-Room B-127, Automated Manufacturing Research Facility, National Bureau of Standards, Gaithersburg, MD 20899, (301)921-3204.

NTIS Prices: Not available NTIS

...demonstrating two-robot cooperation during a test run of the facility. The two robots which make up the workstation are a Unimate 2000 and a Puma 760. During the test run, one robot, instrumented with a force/torque sensor and under the control of the NBS Real-time Control System, located and deburred the edge of a simple test part held by the second robot. Although...

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[File 9] Business & Industry(R) Jul/1994-2008/Apr 04
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[File 635] Business Dateline(R) 1985-2008/Apr 09
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[File 610] Business Wire 1999-2008/Apr 11
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*File 610: File 610 now contains data from 3/99 forward. Archive data (1986-2/99) is available in File 810.
[File 810] Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire. All rights reserved.
[File 647] CMP Computer Fulltext 1988-2008/Mar W4
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[File 674] Computer News Fulltext 1989-2006/Sep W1
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[File 696] DIALOG Telecom. Newsletters 1995-2008/Apr 10
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[File 275] Gale Group Computer DB(TM) 1983-2008/Apr 04
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[File 621] Gale Group New Prod. Annou. (R) 1985-2008/Mar 26
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[File 636] Gale Group Newsletter DB(TM) 1987-2008/Apr 08
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*File 624: Homeland Security & Defense and 9 Platt energy journals added Please see HELP NEWS624 for more
[File 369] New Scientist 1994-2008/Mar W2
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[File 484] Periodical Abs Plustext 1986-2008/Mar W4
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*File 613: File 613 now contains data from 5/99 forward. Archive data (1987-4/99) is available in File 813.
[File 813] PR Newswire 1987-1999/Apr 30
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[File 634] San Jose Mercury Jun 1985-2008/Apr 10
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[File 98] General Sci Abs 1984-2008/Apr
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: d s

| Set | Items | Description |
|-----|----------|---|
| S1 | 24173398 | S ((VIRTUAL(1N)MACHINE? ? OR COMPUTER? ? OR SYSTEM? ?) OR VM? ? OR VMM? ?) |
| S2 | 1114527 | S S1(5N)(TIME?? OR TIMING OR CLOCK? ? OR PERIOD OR CYCLE? ? OR DURATION? ?) |
| S3 | 2204 | S S2(30N)(CATCH?(JUP OR CATCHUP OR MAKEUP OR MAKE(JUP OR MAKING(JUP |
| S4 | 161 | S ((FALL? ? OR LAG? ? OR LAGGING OR DELAY? ? OR LATENCY? ? OR LATENT? ? OR LAPSE? ? OR LAPSING?)(2N)BEHIND(5N)(REALTIME OR REAL()TIME OR UP(3W)MINUTE OR INSTANT OR (REAL OR ACTUAL()TIME OR DYNAMIC) |
| S5 | 85710 | S ((TRACK? ? OR FOLLOW? ? OR LOCAT? ? OR PURSUIT? ? OR LOGG? ? OR REGISTER? ? OR NOTAT?)(3N)(REALTIME OR REAL()TIME OR UP(3W)MINUTE OR INSTANT OR (REAL OR ACTUAL()TIME OR DYNAMIC) |

S6 2204 S S3 AND S1
S7 2197 S S3(100N)S1
S8 19 S S7(100N)S5
S9 11 RD (unique items)
S10 7 S S9 AND PY=1963:2004
S11 0 S S7(100N)S4
S12 0 S S7 AND S4

?

Subject summary

? 1/3 k/all

10/3,K/1 (Item 1 from file: 15) [Links](#)

ABI/Inform(R)

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02416688 176169631

Radio frequency identification

Anonymous

Frontline Solutions v3n10 pp: 8-9

Summer 2002/2003

ISSN: 1528-6363 Journal Code: FRSE

Word Count: 929

Text:

...and supply chain applications.

RFID is becoming the top technology used in employee access control systems. Low-cost tags can be easily built into ID cards, enabling employees to open doors...

...transmitters so lost children can be quickly located or so other visitors can locate and catch up with other members of "their group.

Real-Time Locating Systems (RTLS)

RTLS (some vendors prefer LIPS, for local positioning systems) is a subset of RFID...

... monitor the location of tagged objects through a network of readers.

Users can set their system to monitor locations every few seconds to every few hours. Systems can also be set so that objects report their own location by transmitting a radio signal at predetermined intervals or any time they are moved. Object locations are available in real time, even when the objects are in motion.

Early adapters are using RTLS to monitor critical...

10/3,K/2 (Item 1 from file: 9) [Links](#)

Business & Industry(R)

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01269536 Supplier Number: 23901689 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Siemens eyes onboard market

(About 10,000 vehicles currently have onboard navigation and information systems and 1mil vehicles will have such systems by the year 2000)

Automotive News , v 71 , n 5713 , p 22+

May 19, 1997

Document Type: Journal ISSN: 0005-1551 (United States)

Language: English Record Type: Fulltext

Word Count: 590 (USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...MAJOR INVESTMENT

Siemens has invested between \$12 million and \$15 million in developing intelligent transportation systems for the U.S. market, Knockeart said.

Siemens expects to begin selling the QuickScout unit...

...QuickScout has just completed six weeks of field testing in Boston, and another six-week cycle begins this week.

Three basic systems make up QuickScout:

1. The display unit, sized to fit in the standard space occupied by a radio or in-dash compact disc player.

2. A cellular telephone.

3. A global positioning system antenna and receiver to pinpoint the vehicle's location.

Obtaining real-time traffic formation is a bit complicated.

In the Boston test, the major roads and freeways...

10/3,K/3 (Item 1 from file: 810) [Links](#)

Business Wire

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0952963 BW1145

NUMETRIX 2 : Numetrix Unveils xtr@: an Internet-Designed Solution for Real-Time Supply Chain Collaboration

December 16, 1998

Byline: Business/Technology Editors

...to make or ship
the product. xtr@ eliminates this problem altogether."
Distributed data

Where other systems are based on a centralized, client/server architecture, xtr@ is not -- it makes use of a system that distributes data locally. This approach allows users to read data at any time from...
...data are read-only,
analysis-based functions, a distributed computing architecture provides for fast, effective systems operation and optimized LAN/WAN capacity. Local data on such systems is automatically synchronized in real time, regardless of location, making up-to-the-second supply/demand updates a reality throughout the global enterprise.

This functionality empowers...
...interacts with the right data,
in the right place, at the right time.
Linking disparate systems with Collaborative Enablers
xtr@ integrates with a host of external systems using software called a Collaborative Enabler (CE). Each CE is a small, non-intrusive piece...

10/3,K/4 (Item 1 from file: 636) [Links](#)

Gale Group Newsletter DB(TM)

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01099444 Supplier Number: 40770382 (USE FORMAT 7 FOR FULLTEXT)

Business Report - NREC: Focusing On Implementing Comprehensive Shop-Floor CIM Systems In Discrete Manufacturing

Factory Automation News , v 2 , n 5 , p N/A

May , 1989

Language: English Record Type: Fulltext

Document Type: Magazine/Journal ; Trade

Word Count: 4364

...graphic screens...etc." However, the Work Cell Manager provides additional features, such as long-term tracking of maintenance, real-time SPC and "multi-user access that allows more than 1 person to access information from...

...will likely "be a subset of some of the high/end functionality of our VAX systems." Over time, however, the advanced PC software "will tend to catch-up because PCs are advancing as far as I/O capability and so forth." In addition, NREC is working on advanced communications devices/modules for the VAX-based system.

NREC has also begun talking to several companies about forming partnerships overseas to develop foreign language versions of the Work Cell Manager. Moreover, NREC is eyeing other operating systems, such as "UNIX further down the road when that becomes a more stable platform for

...

19890501

10/3,K/5 (Item 1 from file: 16) [Links](#)

Gale Group PROMT(R)

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05036015 Supplier Number: 47393783 (USE FORMAT 7 FOR FULLTEXT)

Siemens eyes onboard market

Jewett, Dale

Automotive News , p 22

May 19 , 1997

Language: English Record Type: Fulltext

Document Type: Magazine/Journal, Tabloid ; Trade

Word Count: 596

...MAJOR INVESTMENT

Siemens has invested between \$12 million and \$15 million in developing

intelligent transportation systems for the U.S. market, Knockeart said.

Siemens expects to begin selling the QuickScout unit...
...QuickScout has just completed six weeks of field testing in Boston, and another six-week cycle begins this week.

Three basic systems make up QuickScout:

1. The display unit, sized to fit in the standard space occupied by a radio or in-dash compact disc player.

2. A cellular telephone.

3. A global positioning system antenna and receiver to pinpoint the vehicle's location.

Obtaining real-time traffic information is a bit complicated.

In the Boston test, the major roads and freeways...
19970519

10/3,K/6 (Item 1 from file: 160) [Links](#)

Gale Group PROMT(R)

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00576513

Glenayre Electronics (Vancouver, BC) more than doubled production in 1978-79 thanks to the mobile telephone boom.

Canadian Electronics Engineering June, 1980 p. 30

Publication Year: 1980

Exports make up 70% of Glenayre's output and dedicated production lines have emerged for 3 major product groups: microprocessor-based radio telephone control heads, real-time train control systems and DC-DC converter equipment. Glenayre's new control heads, compatible with telephone utility-provided...

...Pacific Railroad and Chesapeake & Ohio Railroad are 1st key users of Glenayre's microcomputer-based real time-train locator system.

10/3,K/7 (Item 1 from file: 148) [Links](#)

Gale Group Trade & Industry DB

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16541915 Supplier Number: 111400249 (USE FORMAT 7 OR 9 FOR FULL TEXT)

...HOLIDAYS & CONFUSED, PT. 2.

Shoulberg, Warren

HFN The Weekly Newspaper for the Home Furnishing Network , 26

Dec 15 , 2003

ISSN: 1082-0310

Language: English

Record Type: Fulltext

Word Count: 661 Line Count: 00052

...Wal-Mart broke pricing way earlier than anyone figured and everybody else has been playing catch-up ever since.

But those of us in the trade know better. We can watch the products dance out of the stores on computer screens, tracking real-time EDI figures. We can see accounts payable activity go up or down accordingly. We can...
20031215

?

[File 347] JAPIO Dec. 1976-2007/Dec(Updated 080328)

(c) 2008 JPO & JAPIO. All rights reserved.

[File 350] Derwent WPIX 1963-2008/UD-200823

(c) 2008 The Thomson Corporation. All rights reserved.

Set Items Description

S1 4863315 S ((VIRTUAL(1N)MACHINE? ? OR COMPUTER? ? OR SYSTEM? ?) OR VM? ? OR VMM? ?)
 S2 432408 S S1(20N)(TIME?? OR TIMING OR CLOCK? ? OR PERIOD OR CYCLE? ? OR DURATION? ?)
 S3 4489 S S1(50N)(CATCH?()UP OR CATCHUP OR MAKEUP OR MAKE()UP OR MAKING()UP)
 S4 3 S ((FALL? ? OR LAG? ? OR LAGGING OR DELAY? OR LATENC? OR LATENT? OR LAPSE? OR LAPSING?)(1N)BEHIND)(3N)(REALTIME OR REAL()TIME OR UP(3W)MINUTE OR INSTANT OR (REAL OR ACTUAL()TIME OR DYNAMIC)
 S5 0 S S4 AND S3
 S6 2 S S4 AND S1
 S7 357 S S2(50N)(CATCH?()UP OR CATCHUP OR MAKEUP OR MAKE()UP OR MAKING()UP)
 S8 254 S S2(20N)(CATCH?()UP OR CATCHUP OR MAKEUP OR MAKE()UP OR MAKING()UP)
 S9 205786 S S1(5N)(TIME?? OR TIMING OR CLOCK? ? OR PERIOD OR CYCLE? ? OR DURATION? ?)
 S10 93 S S9(20N)(CATCH?()UP OR CATCHUP OR MAKEUP OR MAKE()UP OR MAKING()UP)
 S11 81 S S10 AND PY=1963:2004
 S12 0 S S4 AND S11
 S13 7395 S (TRACK? OR FOLLOW? OR LOCAT? OR PURSUIT? OR LOGG? OR REGISTER? OR NOTAT?)(3N)(REALTIME OR REAL()TIME OR UP(3W)MINUTE OR INSTANT OR (REAL OR ACTUAL()TIME OR DYNAMIC)
 S14 1 S S11 AND S13

?

Subject summary

? 1/3 k/all

6/3 K/1 (Item 1 from file: 350) [Links](#)

Fulltext available through: [Order File History](#)

Derwent WPIX

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0013997443 & [Drawing available](#)

WPI Acc no: 2004-178619/200417

XRFX Acc No: N2004-141971

Electric arc detecting method for power distribution system, involves comparing instantaneous value of time varying signal with earlier and later values to output alarm signal, where signal indicates load characteristic of system

Patent Assignee: HENDRY MECHANICAL WORKS (HEND-N)

Inventor: PARKER M T

Patent Family (4 patents, 98 & countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update | Type |
|----------------|------|----------|--------------------|------|----------|--------|------|
| US 20030227290 | A1 | 20031211 | US 2002164821 | A | 20020607 | 200417 | B |
| WO 2003105303 | A1 | 20031218 | WO 2003US18024 | A | 20030605 | 200417 | E |
| AU 2003238951 | A1 | 20031222 | AU 2003238951 | A | 20030605 | 200445 | E |
| US 6859042 | B2 | 20050222 | US 2002164821 | A | 20020607 | 200515 | E |

Priority Applications (no., kind, date): US 2002164821 A 20020607

Patent Details

| Patent Number | Kind | Lan | Pgs | Draw | Filing Notes |
|--------------------------------------|---|-----|-----|------|-----------------------------------|
| US 20030227290 | A1 | EN | 13 | 7 | |
| WO 2003105303 | A1 | EN | | | |
| National Designated States, Original | AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EG EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW | | | | |
| Regional Designated States, Original | AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL TR TZ UG ZM ZW | | | | |
| AU 2003238951 | A1 | EN | | | Based on OPI patent WO 2003105303 |

Electric arc detecting method for power distribution system, involves comparing instantaneous value of time varying signal with earlier and later values to output alarm signal, where signal indicates load characteristic of system Alerting Abstract ...The method involves detecting a signal that indicates a dynamic load characteristic of an electrical system. The dynamic characteristic is stored for a period of alternating characteristic to obtain a time... DESCRIPTION - An INDEPENDENT CLAIM is also included for a system for detecting electrical arcs in power distribution system.USE - Used for detecting electric arcs in power distribution system. Title Terms .../Index Terms/Additional Words: SYSTEM; Original Publication Data by AuthorityOriginal Abstracts A method and apparatus for detecting electrical arcs in an electrical system having a periodic power supply is disclosed. A method according to the invention compares instantaneous values of a monitored.... A method and apparatus for detecting electrical arcs in an electrical system having a periodic power supply is disclosed. A method according to the invention compares instantaneous values of a monitored waveform both with (a) their.... to allow such comparisons in near real time, to produce an output which is only slightly delayed behind the monitored waveform. An apparatus according to the present invention discloses a sampling circuit that.... A method and apparatus for detecting electric arcs in an electrical system having a periodic power supply is disclosed. A method according to the invention compares instantaneous values of a monitored waveform both with (a) their past values at corresponding phases.... to allow such comparisons in near real time, to produce an output which is only slightly delayed behind the monitored waveform. An apparatus according to the present invention discloses a sampling circuit that samples electrical signals indicative.... invention concerne un procede et un dispositif pour la detection d'arcs electriques dans un systeme electrique a source d'alimentation periodique. On decrit un procede qui permet de comparer des valeurs instantanees de forme d'onde controlee, a la fois avec (a) des valeurs precedentes de phases correspondantes de... Claims:1 claim:1. A method of detecting electrical arcs in an electrical system having a power supply with a periodically alternating characteristic, comprising the steps of detecting a signal from the electrical system which is indicative of a dynamic load characteristic of the system; storing a dynamic representation of said signal over at least one period of said alternating characteristic, to obtain a representation of the time variation of said.... 1 claim:1. A method of detecting electrical arcs in an electrical system having a power supply with a periodically alternating characteristic, comprising the steps of detecting a signal from the electrical system which is indicative of a dynamic load characteristic of the system; storing a dynamic representation of said signal over at least one period of said alternating characteristic, to obtain a representation of the time variation of said signal over said period; and comparing a first value of said representation with at least one earlier value and...

6/3 K/2 (Item 2 from file: 350) [Links](#)

Fulltext available through: [Order File History](#)

Derwent WPIX

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0001612064

WPI Acc no: 1978-G5771A/197834

Facsimile transmitter system with variable speed - has storage photodetector whose charging time is constant and independent of selected synchronisation pulse frequency

Patent Assignee: MATSUSHITA ELEC IND CO LTD (MATU); MATSUSHITA GRAPHIC COMMUNICATI (MATY)

Inventor: HASHIMOTO S; KUBOTA T; TANAKA Y

Patent Family (6 patents, 5 & countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update | Type |
|---------------|------|----------|--------------------|------|----------|--------|------|
| DE 2804979 | A | 19780817 | DE 2804979 | A | 19780206 | 197834 | B |
| FR 2379955 | A | 19781006 | | | | 197845 | E |
| US 4159488 | A | 19790626 | US 1978877795 | A | 19780213 | 197928 | E |
| GB 1572539 | A | 19800730 | | | | 198031 | E |
| DE 2804979 | B | 19810716 | DE 2804979 | A | 19780206 | 198130 | E |
| CA 1130443 | A | 19820824 | | | | 198237 | E |

Priority Applications (no., kind, date): JP 197712729 A 19770207; DE 2804979 A 19780206

Patent Details

| Patent Number | Kind | Lan | Pgs | Draw | Filing Notes |
|---------------|------|-----|-----|------|--------------|
| CA 1130443 | A | EN | | | |

Facsimile transmitter system with variable speed... Alerting Abstract ...The transmitter has further devices discharging the storage photodetector at an instant lagging behind the synchronisation pulses by a time interval depending on the difference between selected and highest... Title Terms .../Index Terms/Additional Words: SYSTEM;

?

? t/3,k/all

14/3,K/1 (Item 1 from file: 350) [Links](#)Fulltext available through: [Order File History](#)

Derwent WPIX

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0008779173 & & *Drawing available*

WPI Acc no: 1998-323063/199828

XRPX Acc No: N1998-252605

Communication method for patient data - arranging predetermined communications protocol such that patient data is communicated from patient location to analysis location

Patent Assignee: BARNETT K N (BARN-I); FITZGERALD J E (FITZ-I); LOCH A (LOCH-I); MICROMEDICAL IND LTD

(MICR-N); SATCHELWELL B R (SATC-I); VENTRACOR LTD (VENT-N)

Inventor: BARNETT K N; FITZGERALD J E; LOCH A; SATCHELWELL B R

Patent Family (7 patents, 77 & countries)

| Patent Number | Kind | Date | Application Number | Kind | Date | Update | Type |
|----------------|------|----------|--------------------|------|----------|--------|------|
| WO 1998024212 | A1 | 19980604 | WO 1997AU821 | A | 19971201 | 199828 | B |
| AU 199851113 | A | 19980622 | AU 199851113 | A | 19971201 | 199844 | E |
| AU 147299 | B | 20020516 | AU 199851113 | A | 19971201 | 200244 | E |
| US 20040039606 | A1 | 20040226 | US 1999319392 | A | 19990528 | 200416 | E |
| | | | US 2003644514 | A | 20030820 | | |
| AU 2002300622 | A1 | 20030213 | AU 199851113 | A | 19971201 | 200427 | NCE |
| | | | AU 2002300622 | A | 20020816 | | |
| US 6820057 | B1 | 20041116 | US 1999319392 | A | 19990528 | 200475 | E |
| AU 2002300622 | B2 | 20040826 | AU 199851113 | A | 19971201 | 200476 | NCE |
| | | | AU 2002300622 | A | 20020816 | | |

Priority Applications (no., kind, date): AU 19963943 A 19961129; AU 19974553 A 19970110; WO 1997AU821 A 19971201; AU 2002300622 A 20020816

Patent Details

| Patent Number | Kind | Lan | Pgs | Draw | Filing Notes |
|-------------------------------------|--|-----|-----|------|--------------|
| WO 1998024212 | A1 | EN | 38 | 9 | |
| National Designated States.Original | AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW | | | | |
| Regional Designated States.Original | AT BE CH DE DK EA ES FI FR GB GH GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW | | | | |

| | | | | | |
|----------------|----|----|--|-----------------------------|---------------|
| AU 199851113 | A | EN | | Based on OPI patent | WO 1998024212 |
| AU 747299 | B | EN | | Previously issued patent | AU 9851113 |
| | | | | Based on OPI patent | WO 1998024212 |
| US 20040039606 | A1 | EN | | Continuation of application | US 1999319392 |
| AU 2002300622 | A1 | EN | | Division of application | AU 199851113 |
| AU 2002300622 | B2 | EN | | Division of application | AU 199851113 |
| | | | | Previously issued patent | AU 2002300622 |

Alerting Abstract ...USE - Transmitting time varying patient data in real-time or near real-time from one location to another, for analysis of e.g. ECG data.... Original Publication Data by Authority... Claims: interconnectable network of computers adapted for interconnection using standardized protocols and wherein the individual computers making up the network at any given time include computers adapted to store and forward packets of digital information and whereby the packets of information are thereby able to be passed from computer to computer until they reach a destination computer whose address is included as part of... ... Basic Derwent Week: 199828...

?

[File 348] EUROPEAN PATENTS 1978-2007/ 200814

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[File 349] PCT FULLTEXT 1979-2008/UB-20080403UT=20080327

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Set Items Description

S1 1822468 S ((VIRTUAL(1N)MACHINE? ? OR COMPUTER? ? OR SYSTEM? ?) OR VM? ? OR VMM? ?)
 S2 348620 S S1(10N)(TIME?? OR TIMING OR CLOCK? ? OR PERIOD OR CYCLE? ? OR DURATION? ?)
 S3 1603 S S2(50N)(CATCH?()UP OR CATCHUP OR MAKEUP OR MAKE()UP OR MAKING()UP)
 S4 40 S ((FALL? ? OR LAG? ? OR LAGGING OR DELAY? OR LATENC? OR LATENT? OR LAPSE? OR
 LAPSING?)(2N)BEHIND)(5N)(REALTIME OR REAL()TIME OR UP(3W)MINUTE OR INSTANT OR (REAL OR
 ACTUAL)()TIME OR DYNAMIC)
 S5 16353 S (TRACK? OR FOLLOW? OR LOCAT? OR PURSUIT? OR LOGG? OR REGISTER? OR
 NOTAT?)(3N)(REALTIME OR REAL()TIME OR UP(3W)MINUTE OR INSTANT OR (REAL OR ACTUAL)()TIME OR
 DYNAMIC)
 S6 9 S S3(100N)S5
 S7 1 S S4 AND S3

Subject summary

? 1/3 k/all

6/3K/1 (Item 1 from file: 348) [Links](#)

Fulltext available through: [Order File History](#)

EUROPEAN PATENTS

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02433955

Wireless mobile vehicle real-time tracking and notification systems and methods related thereto

Drathlose, mobile Fahrzeugzeitverfolgung und Benachrichtigungssysteme und damit im Zusammenhang stehende Verfahren

Suivi en temps réel de véhicule mobile sans fil et systèmes de notification et procédés associés

Patent Assignee:

• Everyday Wireless, Inc.; (4058070)

2033 Penn Avenue, West Lawn, PA 19609; (US)

(Applicant designated States: all)

Inventor:

• Winkler, Josef K.

1733 Dauphin Avenue, Wyomissing, PA 19610; (US)

• Stant, Vernon L.

10211 Garfield Road; Richmond, VA 23235; (US)

• Wilson, Stephen G.

309 Parkwood Place; Charlottesville, VA 22901; (US)

Legal Representative:

• Bertsch, Florian Oliver (126573)

Kraus & Weisert, Thomas-Wimmer-Ring 15; 80539 München; (DE)

| | Country | Number | Kind | Date | |
|-------------|---------|------------|------|----------|---------|
| Patent | EP | 1909245 | A1 | 20080409 | (Basic) |
| Application | EP | 2008001074 | | 20030214 | |
| Priorities | US | 357204 | P | 20020214 | |

Designated States:

AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;

FI; FR; GB; GR; HU; IE; IT; LI; LU; MC;

NL; PT; SE; SI; SK; TR;

Related Parent Numbers: Patent (Application): EP 1483755 (EP 2003739829)

| IPC | Level | Value | Position | Status | Version | Action | Source | Office |
|---------------|-------|-------|----------|--------|----------|----------|--------|--------|
| G08G-0001/123 | A | I | F | B | 20060101 | 20080229 | H | EP |

Abstract Word Count: 116

NOTE: 1A

NOTE: Figure number on first page: 1A

| Type | Pub. Date | Kind | Text |
|------|-----------|------|------|
|------|-----------|------|------|

Publication: English

Procedural: English

Application: English

| Available Text | Language | Update | Word Count |
|--|-----------|--------|------------|
| CLAIMS A | (English) | 200815 | 817 |
| SPEC A | (English) | 200815 | 19474 |
| Total Word Count (Document A) 20291 | | | |
| Total Word Count (Document B) 0 | | | |
| Total Word Count (All Documents) 20291 | | | |

Specification: "...before the vehicle ETA at a destination/ delivery site would have run. In addition, the real-time monitoring and locating capabilities of the system can be used to assist the responsible authorities or police to catch up to the vehicle.

In another embodiment, criteria is set to limit the amount of time...

6/3K/2 (Item 2 from file: 348) [Links](#)

Fulltext available through: [Order File History](#)

EUROPEAN PATENTS

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01645469

WIRELESS MOBILE VEHICLE REAL-TIME TRACKING AND NOTIFICATION SYSTEMS AND METHODS RELATED THERETO

**DRAHTLOSE MOBIL-FAHRZEUG-ECHTZEIT-VERFOLGUNGS- UND BENACHRICHTIGUNGSSYSTEME UND
DIESBEZUGLICHE VERFAHREN
LOCALISATION SANS FIL EN TEMPS REEL DE VEHICULES MOBILE ET SYSTEMES ET PROCEDES DE
NOTIFICATION CORRESPONDANTS**

Patent Assignee:

- Everyday Wireless, Inc.; (4058070)
2033 Penn Avenue, West Lawn, PA 19609; (US)
(Proprietor designated states: all)
Inventor:
 - WINKLER, Josef, K.
1733 Dauphin Avenue; Wyomissing, PA 19610; (US)
 - STANT, Vernon, L.
10211 Garfield Road; Richmond, VA 23235; (US)
 - WILSON, Stephen, G.
309 Parkwood Place; Charlottesville, VA 22901; (US)
- Legal Representative:**

- Banzer, Hans-Jorg (83612)

Kraus & Weisert Patent- und Rechtsanwalte Thomas-Wimmer-Ring 15; 80539 München; (DE)

| | Country | Number | Kind | Date | |
|-------------|---------|------------|------|----------|---------|
| Patent | EP | 1483755 | A1 | 20041208 | (Basic) |
| | EP | 1483755 | B1 | 20080409 | |
| | WO | 2003069576 | | 20030821 | |
| Application | EP | 2003739829 | | 20030214 | |
| | WO | 2003US4705 | | 20030214 | |
| Priorities | US | 357204 | P | 20020214 | |

Designated States:

AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;

FI; FR; GB; GR; HU; IE; IT; LI; LU; MC;

NL; PT; SE; SI; SK; TR;

Extended Designated States:

AL; LT; LV; MK; RO;

Related Divisions: Patent (Application): (EP 2008001074)

International Patent Class (V7): G08G-001/123

| IPC | Level | Value | Position | Status | Version | Action | Source | Office |
|---------------|-------|-------|----------|--------|----------|----------|--------|--------|
| G08G-0001/123 | A | I | F | B | 20060101 | 20030823 | H | EP |

NOTE: No A-document published by EPO

| Type | Pub. Date | Kind | Text |
|------|-----------|------|------|
|------|-----------|------|------|

Publication: English

Procedural: English

Application: English

| Available Text | Language | Update | Word Count |
|--|-----------|--------|------------|
| CLAIMS B | (English) | 200815 | 711 |
| CLAIMS B | (German) | 200815 | 686 |
| CLAIMS B | (French) | 200815 | 892 |
| SPEC B | (English) | 200815 | 19315 |
| Total Word Count (Document A) 0 | | | |
| Total Word Count (Document B) 21604 | | | |
| Total Word Count (All Documents) 21604 | | | |

Specification: ...before the vehicle ETA at a destination/ delivery site would have run. In addition, the real-time monitoring and locating capabilities of the system can be used to assist the responsible authorities or police to catch up to the vehicle.

In another embodiment, criteria is set to limit the amount of time...

6/3K/3 (Item 1 from file: 349) [Links](#)

Fulltext available through: [Order File History](#)

PCT FULLTEXT

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01589401

SYSTEM, METHOD AND COMPUTER SOFTWARE CODE FOR OPTIMIZING TRAIN OPERATIONS CONSIDERING
RAIL CAR PARAMETERS
SYSTEME ET PROCEDE ET CODE D'UN LOGICIEL INFORMATIQUE D'OPTIMISATION DE CONTROLE DE TRAINS

INTEGRANT DES PARAMETRES DE VEHICULES FERROVIAIRES

Patent Applicant/Patent Assignee:

- GENERAL ELECTRIC COMPANY; 1 River Road, Schenectady, NY 12345
US; US (Residence); US (Nationality)
(For all designated states except: US)
 - DAUM Wolfgang; 5228 Annendale Drive, Erie, PA 16506
US; US (Residence); US (Nationality)
(Designated only for: US)
 - HERSHEY John Erik; 4 Vines Road, Ballston Lake, NY 12019
US; US (Residence); US (Nationality)
(Designated only for: US)
 - PELTZ David Michael; 4374 Parkway Drive, Melbourne, FL 32934
US; US (Residence); US (Nationality)
(Designated only for: US)
 - SHAFFER Glenn Robert; 3618 Dominic Drive, Erie, PA 16506
US; US (Residence); US (Nationality)
(Designated only for: US)
 - NOFFSINGER Joseph Forrest; 9520 Se Keystone Drive, Lees Summit, MO 64086-9718
US; US (Residence); US (Nationality)
(Designated only for: US)
 - BORNTAEGER John; 2034 Blue Heron Rive, Melbourne, FL 32940
US; US (Residence); US (Nationality)
(Designated only for: US)
 - KUMAR Ajith; 528 Donna Drive, Erie, PA 16509
US; US (Residence); US (Nationality)
(Designated only for: US)
- Patent Applicant/Inventor:
- DAUM Wolfgang
5228 Annendale Drive, Erie, PA 16506; US; US (Residence); US (Nationality); (Designated only for: US)
 - HERSHEY John Erik
4 Vines Road, Ballston Lake, NY 12019; US; US (Residence); US (Nationality); (Designated only for: US)
 - PELTZ David Michael
4374 Parkway Drive, Melbourne, FL 32934; US; US (Residence); US (Nationality); (Designated only for: US)
 - SHAFFER Glenn Robert
3618 Dominic Drive, Erie, PA 16506; US; US (Residence); US (Nationality); (Designated only for: US)
 - NOFFSINGER Joseph Forrest
9520 Se Keystone Drive, Lees Summit, MO 64086-9718; US; US (Residence); US (Nationality); (Designated only for: US)
 - BORNTAEGER John
2034 Blue Heron Rive, Melbourne, FL 32940; US; US (Residence); US (Nationality); (Designated only for: US)
 - KUMAR Ajith
528 Donna Drive, Erie, PA 16509; US; US (Residence); US (Nationality); (Designated only for: US)
- Legal Representative:

- WINTER Catherine J et al(agent)
General Electric Company, Global Patent Operation, Patent Counsel, 187 Danbury Road, Suite 204, Wilton, CT 06897;
US;

| | Country | Number | Kind | Date |
|-------------|---------|-------------|-------|----------|
| Patent | WO | 2007136947 | A2-A3 | 20071129 |
| Application | WO | 2007US66697 | | 20070416 |
| Priorities | US | 2006802147 | | 20060519 |
| | US | 2007621221 | | 20070109 |

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG;
BH; BR; BW; BY; BZ; CA; CH; CN; CO; CR;
CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES;
FI; GB; GD; GE; GH; GM; GT; HN; HR; HU;
ID; IL; IN; IS; JP; KE; KG; KM; KN; KP;
KR; KZ; LA; LC; LK; LR; LS; LT; LU; LY;
MA; MD; MG; MK; MN; MW; MX; MY; MZ; NA;
NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO;

RS; RU; SC; SD; SE; SG; SK; SL; SM; SV;
 SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US;
 UZ; VC; VN; ZA; ZM; ZW;
 [EP] AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;
 FI; FR; GB; GR; HU; IE; IS; IT; LT; LU;
 LV; MC; MT; NL; PL; PT; RO; SE; SI; SK;
 TR;
 [OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;
 ML; MR; NE; SN; TD; TG;
 [AP] BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL;
 SZ; TZ; UG; ZM; ZW;
 [EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Publication Language: English
 Filing Language: English
 Fulltext word count: 17144
 Detailed Description:

...model discussed above, train set-up information, on-board track database, on-board operating rules, location determination system, real-time closed power/brake control, and sensor feedback, exemplary embodiments of the present invention may present... board) can also be communicated to the dispatch center to allow the dispatcher or dispatch system to adjust the target arrival times. This allows the system to quickly adjust and optimize for the appropriate target function (for example trading off speed)... train operations may be improved based on knowledge of rail car parameters of rail cars making up a train. These parameters may include weight, number of axles, type and characteristics of couplers...

6/3K/4 (Item 2 from file: 349) [Links](#)

Fulltext available through: [Order File History](#)

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01537571

GENIUS ADAPTIVE DESIGN

MODELE D'ADAPTATION AU GENIE

Patent Applicant/Inventor:

● CABINALLA Linda

1145 Delaware St, Fairfield, CA 94533; US; US (Residence); US (Nationality); (Designated for all)

| | Country | Number | Kind | Date |
|-------------|---------|-------------|------|----------|
| Patent | WO | 200781519 | A2 | 20070719 |
| Application | WO | 2006US48704 | | 20061219 |
| Priorities | US | 2005755291 | | 20051230 |
| | US | 2006756607 | | 20060105 |
| | US | 2006778313 | | 20060301 |
| | US | 2006783018 | | 20060315 |
| | US | 2006786906 | | 20060328 |
| | US | 2006852794 | | 20061018 |

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG;
 BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU;
 CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI;
 GB; GD; GE; GH; GM; GT; HN; HR; HU; ID;
 IL; IN; IS; JP; KE; KG; KM; KN; KP; KR;
 KZ; LA; LC; LR; LS; LT; LV; LU; LY;
 MA; MD; MG; MK; MN; MW; MX; MY; MZ; NA;
 NG; NI; NO; NZ; OM; PG; PH; PL; PT; RO;
 RS; RU; SC; SD; SE; SG; SK; SL; SM; SV;
 SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US;
 UZ; VC; VN; ZA; ZM; ZW;
 [EP] AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;
 FI; FR; GB; GR; HU; IE; IS; IT; LT; LU;
 LV; MC; NL; PL; PT; RO; SE; SI; SK; TR;
 [OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;
 ML; MR; NE; SN; TD; TG;
 [AP] BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL;
 SZ; TZ; UG; ZM; ZW;
 [EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Publication Language: English
 Filing Language: English

Fulltext word count: 520275

Detailed Description:

...and their related words (found via saw's thesaurus) can be used in scoring.-The system may (not) seek a limited frequency of these terms used in the material (files) accessor...

6/3K/5 (Item 3 from file: 349) [Links](#)Fulltext available through: [Order File History](#)

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01482280

ENERGY AND CHEMICAL SPECIES UTILITY MANAGEMENT SYSTEM

SYSTEME DE GESTION DE SERVICES, D'ESPECES CHIMIQUES ET D'ENERGIE

Patent Applicant/Patent Assignee:

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US; US (Residence); US (Nationality)

(For all designated states except: US)

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US; US (Residence); US (Nationality)

● KRITZINGER Johan A; 1111 N. Loop West, Suite 200, Houston, TX 77008

US; US (Residence); ZA (Nationality)

● ALLAN Peter; 1111 N. Loop West, Suite 200, Houston, TX 77008

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● ELLISON Brent; 1111 N. Loop West, Suite 200, Houston, TX 77008

US; US (Residence); US (Nationality)

● KHATER Ajay; 13510 Perthshire Rd., Houston, TX 77079

US; US (Residence); US (Nationality)

Patent Applicant/Inventor:

● HURST Roger

1111 N. Loop West, Suite 200, Houston, TX 77008; US; US (Residence); US (Nationality);

● KRITZINGER Johan A

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● ALLAN Peter

1111 N. Loop West, Suite 200, Houston, TX 77008; US; US (Residence); US (Nationality);

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Legal Representative:

● KNOBLOCH Charles S et al(agent)

ARNOLD & FERRERA, L.L.P., 2401 Fountain View, Dr., Suite 630, Houston, TX 77057; US;

| | Country | Number | Kind | Date |
|-------------|---------|-------------|-------|----------|
| Patent | WO | 200728158 | A2-A3 | 20070308 |
| Application | WO | 2006US34565 | | 20060905 |
| Priorities | US | 2005714038 | | 20050902 |

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG;
 BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU;
 CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI;
 GB; GD; GE; GH; GM; HN; HR; HU; ID; IL;
 IN; IS; JP; KE; KG; KM; KN; KP; KR; KZ;
 LA; LC; LK; LR; LS; LT; LU; LV; LY; MA;
 MD; MG; MK; MN; MW; MX; MY; MZ; NA; NG;
 NI; NO; NZ; OM; PG; PH; PL; PT; RO; RS;
 RU; SC; SD; SE; SG; SK; SL; SM; SV; SY;
 TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ;
 VC; VN; ZA; ZM; ZW;

[EP] AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;
 FI; FR; GB; GR; HU; IE; IS; IT; LT; LU;
 LV; MC; NL; PL; PT; RO; SE; SI; SK; TR;
 [OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;
 ML; MR; NE; SN; TD; TG;
 [AP] BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL;
 SZ; TZ; UG; ZM; ZW;
 [EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Publication Language: English

Filing Language: English

Fulltext word count: 175987

Detailed Description:

...predictive basis; * Proactively manage energy supply contracts and exports (grid/general market or cogeneration); * Monitor, track and manage to emissions limits; * Improve utilities supply planning and demand forecasting and predict impacts... ..dimensions of both technical and business approaches to satisfy operational requirements while at the same time achieving business objectives of lowest cost, increased energy/utility efficiency and reduced environmental impact. The technical focus of the solution is systems integration whereby running a single piece of equipment at its optimal point is always subordinate to running an overall system at the global optimal point. As an example, it may generally pay off to run...

6/3K/6 (Item 4 from file: 349) [Links](#)

Fulltext available through: [Order File History](#)

PCT FULLTEXT

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01178165

OILFIELD THREAD MAKEUP AND BREAKOUT VERIFICATION SYSTEM AND METHOD
 SYSTEME ET PROCEDE DE VERIFICATION DE LIAISONS FILETEES DANS LES Puits DE PETROLE

Patent Applicant/Inventor:

• DISHAW Ray

12865 CR 577, Anna, TX 75409; US; US (Residence); US (Nationality); (Designated for all)

• ECKEL Terry

8035 County Road, Odessa, TX 79760; US; US (Residence); US (Nationality); (Designated only for: US)

Legal Representative:

• HELMREICH Loren G(agent)

Browning Bushman, P.C., 5718 Westheimer Road, Suite 1800, Houston, TX 77057; US;

| | Country | Number | Kind | Date |
|-------------|---------|-------------|-------|----------|
| Patent | WO | 200499553 | A2-A3 | 20041118 |
| Application | WO | 2004US13781 | | 20040503 |
| Priorities | US | 2003467893 | | 20030505 |
| | US | 2004836785 | | 20040430 |

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG;
 BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU;
 CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI;
 GB; GD; GE; GH; GM; HR; HU; ID; IL; IN;
 IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR;
 LS; LT; LU; LV; MA; MD; MG; MK; MN; MW;
 MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL;
 PT; RO; RU; SC; SD; SE; SG; SK; SL; SY;
 TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ;
 VC; VN; YU; ZA; ZM; ZW;
 [EP] AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;
 FI; FR; GB; GR; HU; IE; IT; LU; MC; NL;
 PL; PT; RO; SE; SI; SK; TR;
 [OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;
 ML; MR; NE; SN; TD; TG;
 [AP] BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL;
 SZ; TZ; UG; ZM; ZW;
 [EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Publication Language: English

Filing Language: English

Fulltext word count: 5790

Detailed Description:

...threaded connection.

The computer 20 may compare the heat intensity signals at one or more locations in real time. The quality of the threaded connection 12 may then be verified with the comparison. In...range of temperatures above and below a signature line, which are deemed acceptable. During the make-up operation, the computer receives the heat intensity signals as the make-up operation progresses, the computer may output a signature in a substantially real time for the connection being made-up time. The computer may thus determine that one connection has been properly made-up since the heat intensity signature for that connection during the entire make-up operation was within the acceptable band from the predetermined signature line, and alternatively may determine...

6/3K/7 (Item 5 from file: 349) [Links](#)

Fulltext available through: [Order File History](#)

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01040376

WIRELESS MOBILE VEHICLE REAL-TIME TRACKING AND NOTIFICATION SYSTEMS AND METHODS RELATED THERETO
LOCALISATION SANS FIL EN TEMPS REEL DE VEHICULES MOBILE ET SYSTEMES ET PROCEDES DE NOTIFICATION CORRESPONDANTS

Patent Applicant/Patent Assignee:

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(For all designated states except: US)

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(Designated only for: US)

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(Designated only for: US)

● WILSON Stephen G; 309 Parkwood Place, Charlottesville, VA 22901

US; US(Residence); US(Nationality)

(Designated only for: US)

Patent Applicant/Inventor:

● WINKLER Josef K

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● STANT Vernon L

10211 Garfield Road, Richmond, VA 23235; US; US(Residence); US(Nationality); (Designated only for: US)

● WILSON Stephen G

309 Parkwood Place, Charlottesville, VA 22901; US; US(Residence); US(Nationality); (Designated only for: US)

Legal Representative:

● DALEY Jr William J(agent)

Edwards & Angell, LLP, P.O. Box 9169, Boston, MA 02209; US;

| | Country | Number | Kind | Date |
|-------------|---------|------------|------|----------|
| Patent | WO | 200369576 | A1 | 20030821 |
| Application | WO | 2003US4705 | | 20030214 |
| Priorities | US | 2002357204 | | 20020214 |

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

[EP] AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;

FI; FR; GB; GR; HU; IE; IT; LU; MC; NL;

PT; SE; SI; SK; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;

ML; MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;

UG; ZM; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Publication Language: English

Filing Language: English

Fulltext word count: 21721

Detailed Description:

...before the vehicle ETA at a destination/ delivery site would have run.

In addition, the real-time monitoring and locating capabilities of the system can be used to assist the responsible authorities or police to catch up to the vehicle.

hi another embodiment, criteria is set to limit the amount of time...

6/3K/8 (Item 6 from file: 349) [Links](#)

Fulltext available through: [Order File History](#)

PCT FULLTEXT

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00905289

ROUTE DATA BASE GENERATION PROCEDURES AND SYSTEMS, PROCESSES AND PRODUCTS RELATING THERETO
SYSTEMES ET PROCEDURES DE GENERATION DE BASE DE DONNEES DE ROUTES, ET PROCEDES ET PRODUITS ASSOCIES

Patent Applicant/Inventor:

● MARTIN Roger L

908 Sylvia Drive, Deltona, FL 32725; US; US(Residence); US(Nationality);

● SASSER Thurman

Unit 525, 3781 North Citrus Circle, Zellwood, FL 32798; US; US(Residence); US(Nationality);

Legal Representative:

● YEAGER Arthur G(et al)(agent)

Suite 1305, 112 West Adams Street, Jacksonville, FL 32202-3853; US;

| | Country | Number | Kind | Date |
|-------------|---------|-------------|------|----------|
| Patent | WO | 200239367 | A1 | 20020516 |
| Application | WO | 2000US30855 | | 20001110 |
| Priorities | WO | 2000US30855 | | 20001110 |

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;

GR; IE; IT; LU; MC; NL; PT; SE; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML;

MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;

UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Publication Language: English

Filing Language: English

Fulltext word count: 16270

Detailed Description:

...for a system that 'into play and records what happens to a vehicle at the time of its involvement in an accident. If such a comes

system existed, and a so-called "black box" for motorized road vehicle was part of the makeup of such road vehicles, accidents would decrease, insurance rates would decrease and the proof of... current location along the route can be avoided or circumvented in establishing a so-called "real time" location of the vehicle. Instead, the current vehicle location can be continually established while traversing the...

6/3K/9 (Item 7 from file: 349) [Links](#)

Fulltext available through: [Order File History](#)

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00806392

TECHNOLOGY SHARING DURING ASSET MANAGEMENT AND ASSET TRACKING IN A NETWORK-BASED SUPPLY CHAIN ENVIRONMENT AND METHOD THEREOF
PARTAGE TECHNOLOGIQUE LORS DE LA GESTION ET DU SUIVI DU PARC INFORMATIQUE DANS UN ENVIRONNEMENT DU TYPE CHAÎNE D'APPROVISIONNEMENT RESEAUTÉE, ET PROCÉDÉ ASSOCIÉ

Patent Applicant/Patent Assignee:

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US; US(Residence); US(Nationality)

Legal Representative:

● HICKMAN Paul L(agent)

Oppenheimer Wolff & Donnelly, LLP, 38th Floor, 2029 Century Park East, Los Angeles, CA 90067-3024; US;

| | Country | Number | Kind | Date |
|-------------|---------|-------------|------|----------|
| Patent | WO | 200139086 | A2 | 20010531 |
| Application | WO | 2000US32310 | | 20001122 |

| | | | |
|------------|----|----------|----------|
| Priorities | US | 99444653 | 19991122 |
| | US | 99447623 | 19991122 |

Designated States: (All protection types applied unless otherwise stated - for applications 2004+)

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;

GR; IE; IT; LU; MC; NL; PT; SE; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML;

MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;

UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

Publication Language: English

Filing Language: English

Fulltext word count: 156214

Detailed Description:

...control within the program to the framework. This approach allows the creation of more complex systems that
23

Thus, as is explained above, a framework basically is a collection of cooperating classes that make up a reusable design solution for a given problem domain. It typically includes objects that provide... ..behavior and overriding other behavior so that the framework calls application code at the appropriate times.

There are three main differences between frameworks and class libraries.

o Behavior versus protocol. Class...

?



EIC 2100

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257124

Today's Date 4/11/08

This search cannot be completed unless you:

A. Attach a copy of your EAST strategy.

B. Conduct an interview with your searcher.

Name AKASH SAXENAPriority Appl. Filing Date 02/18/2004AU/Org 2128 Examiner # 80791Case/App. # 10/382;092RWS
Bld.&Rm.# 5C31 Phone X28351

Format for Search Results

EMAIL ☒ PAPER ☐If this is a Board of Appeals case, check here ☐

Synonyms _____

Describe this invention in your own words: This relates to Virtual Machine Tuners which when full behind the real time have to catch up. See Fig 3A & 3B. 3A- Normal execution of events with 3 virtual timers. 3B- timer accelerated in-SEQUENCE execution after timers are enabled (366...).

Timers to avoid _____

Additional Comments _____

Please hand deliver completed form to your TIS.

STIC USE ONLY

Searcher _____

Date Completed _____

Phone _____

Sources _____

cum